Beginner's Guide to Install and Use MongoDB Compass Locally

# ✅ Step 1: Install MongoDB & MongoDB Compass

Option 1: Install from MongoDB Website

1. Go to the official MongoDB download page:

https://www.mongodb.com/try/download/community

2. Choose:

- Version: Select the latest stable version.

- OS: Select your operating system (Windows/macOS/Linux).

- Package: Choose MSI (Windows Installer) or .dmg for macOS.

3. Tick the checkbox to install MongoDB Compass during installation (or install it separately).

4. Run the installer and select:

- Complete Setup

- Install MongoDB as a Service ✅ (Recommended)

- Install MongoDB Compass ✅

5. Finish installation.

# Option 2: Install MongoDB Compass only

If MongoDB server is already running or you don’t need the server locally:

Download Compass separately:

https://www.mongodb.com/try/download/compass

Just install and run like a normal application.

# ✅ Step 2: Start MongoDB Service (Windows)

1. Press Win + R, type services.msc, and press Enter.

2. Find MongoDB in the list.

3. Right-click → Start (if not already running).

- MongoDB runs as a local service on default port 27017.

# ✅ Step 3: Open MongoDB Compass

1. Open MongoDB Compass from the Start menu or Applications folder.

2. In the Connection string field, use:

mongodb://localhost:27017

3. Click Connect.

# ✅ Step 4: Create and Manage Databases

▶️ Create a New Database:

1. Click "Create Database" on the left.

2. Enter:

- Database name (e.g., mydb)

- Collection name (e.g., mycollection)

3. Click Create Database

Now you can:

- Insert, edit, or delete documents

- Create indexes

- View schema

- Run queries using visual interface

# Optional: Using Mongo Shell (Advanced)

If you installed MongoDB server, you also have access to mongosh, the MongoDB shell:

- Open Command Prompt or Terminal

- Type:

mongosh

You’ll get a MongoDB prompt to run commands like:

show dbs

use mydb

db.mycollection.insertOne({ name: "John", age: 25 })

# Tips for Beginners:

- Compass is just a GUI to interact with MongoDB — data is stored in JSON-like documents called BSON.

- Use Compass for inserting documents, filtering, indexing, aggregation, etc.

# ✅ Summary

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| --- | --- |
| Task | Command/Action |
| Install MongoDB + Compass | Download from https://www.mongodb.com/try/download/community |
| Connect to Local MongoDB | mongodb://localhost:27017 |
| Start MongoDB (Windows) | services.msc → Start 'MongoDB' service |
| Create DB in Compass | Click 'Create Database' |
| Use Mongo Shell (Optional) | mongosh in command prompt |